

## MECHANICAL PART

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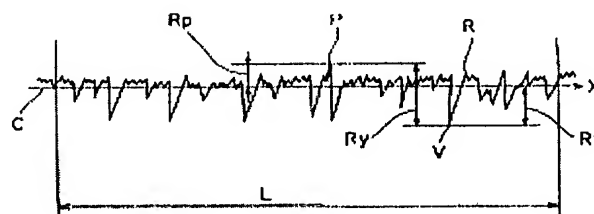
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### Abstract of EP0811789

A mechanical part having a rolling contact surface (11a) with many isolated minute recesses. A maximum height  $R_y$  of a roughness curve  $R$  obtained by cutting this contact surface (11a) with a plane perpendicular thereto is 1-3  $\mu\text{m}$ , and a peak height  $R_p$  with respect to the center line of the roughness curve  $R$  and a valley depth  $R_v$  with respect thereto have the relation of  $R_p/R_v \leq 0.3$ . This indicates that the contact surface (11a) has very low peaks of a relatively high distribution and very deep valleys of a relatively low distribution. Owing to the very low peaks of a relatively high distribution, a sufficiently wide contact area is secured. Owing to the valleys of a low distribution and a large depth, oil reservoirs of a sufficient capacity are formed.

FIG. 1



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